

Date: Mon, 25 Jan 93 11:21:44 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #103
To: Info-Hams

Info-Hams Digest Mon, 25 Jan 93 Volume 93 : Issue 103

Today's Topics:

 ?? TH78 or C558 ???
 ANS-023 BULLETINS
 ANTENNA HANDBOOK
 Antenna Question (2 msgs)
 Cushman CE-6000 Series Comm. Monitor Info Wanted
 Daily Solar Geophysical Data Broadcast for 24 January
 Finding PL Tones and McDonald's
 Kenwood tm-732 mod/functions
 Looking for IFR FM/AM-1200S
 Message for Ed Tynan W7HRD
 New Ham needs radio.
 Real hams?
 Real NoCodes (2 msgs)
 What To Do About Intermod (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 25 Jan 1993 03:43:06 GMT
From: cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!feenix.metronet.com!
marcbg@uunet.uu.net
Subject: ?? TH78 or C558 ???
To: info-hams@ucsd.edu

In article <1993Jan23.074535.23365@uxmail.ust.hk> ee_hflo@uxmail.ust.hk (Michael
Lo Ho Fung) writes:
>Harald Landvoigt (K3006E1@ALIJKU11.BITNET) wrote:

>: hi everybody,
>: i will buy a new duo-band-ht in the next few weeks, but i dont know
>: which one to take !!!!.....

I don't know if you can purchase the Yeasu FT-530 there, but it is a better value than the TH-78. It has excellent sensitivity and the speaker audio is much clearer than the TH-78. It can also receive the 900 MHz band with a simple modification.

73

Marc Grant
Phone# 214/530-9488
Amateur Call: N5MEI
Internet: marcbg@feenix.metronet.com

Date: 24 Jan 93 21:10:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: ANS-023 BULLETINS
To: info-hams@ucsd.edu

SB SAT @ AMSAT \$ANS-023.01
AMSAT OPERATIONS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 023.01 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 23, 1993 BID:\$ANS-023.01
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

AMSAT Operations Nets are planned for the following times. Mode B Nets are conducted on A0-13 on a downlink frequency of 145.950 MHz and the Mode J/L Nets on a downlink frequency of 435.970 MHz.

Date	UTC	Mode	Phs	NCS	Alt
6-Feb-93	2200	B	45	VE2LVC	W9ODI
14-Feb-93	0200	J	56	N7NQM	W5IU
22-Feb-93	0330	B	32	WB6LLO	W9ODI

Any stations with information on current events would be most welcome. In the unlikely event that either the NCS or the alternate do not call on frequency, any participant is invited to act as net control.

Slow Scan Television on A0-13

SSTV sessions will be held on UTC Saturdays and Sundays at Mean Anomaly 40 until 08-FEB-93. The downlink frequency on Mode-B is 145.960 MHz. Starting Saturday 13-FEB-93 they will continue on the following schedule:

Mode J UTC Saturday and Sunday, Downlink 435.980 MHz
Mode B after J UTC Saturday and Sunday, Downlink 145.960 MHz

OPSNETS will take priority, look for SSTV activity immediately after the net. SSTVer's are invited to join the Net to make schedules at other times if desired.

/EX

SB SAT @ AMSAT \$ANS-023.02
CURRENT OSCAR STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 023.02 FROM AMSAT HQ
SILVER SPRING, MD JANUARY 23, 1993 BID: \$ANS-023.02
TO ALL RADIO AMATEURS BT

Current OSCAR Status Reports: 01/23/93

A0-13: Date: 01/23/93: PLEASE NOTE THE FOLLOWING MESSAGE FROM VK5AGR:

QST *** A0-13 TRANSPONDER SCHEDULE *** 1992 Dec 21 - Feb 08

Mode-B : MA 0 to MA 256 !

Mode-S : MA !

Mode-LS : MA !

Mode-JL : MA ! Attitude

Mode-B : MA ! Jan 21 Blong/Blat=150/0

Omnis : MA 170 to MA 15 !

Eclipses: Transponders are OFF from MA 170 to MA 256,
28-Jan-93 thru 04-Mar-93

QST *** A0-13 TRANSPONDER SCHEDULE *** 1993 Feb 08 Until Mar 08

Mode-B : MA 0 to MA 40 !

Mode-S : MA 40 to MA 50 !<- Mode-S Transponder; Mode-B is OFF!

Mode-LS : MA 50 to MA 55 !<- Mode-S Beacon + Mode-L Transponder

Mode-JL : MA 55 to MA 70 ! Blon/Blat=150/0

Mode-B : MA 70 to MA 256 ! Move to attitude Blong/Blat=180/0 08-Mar-93

Omnis : MA 170 to MA 15 ! Please don't uplink to Mode-B from MA 40- 50.
This interferes with Mode-S operations.

Don't rely on gossip and rumor! Continuous up-to-date information about A0-13 operations is always available on the beacons, 145.812 MHz, 435.658 MHz and 2400.646 MHz in CW, RTTY and 400 bps PSK.

A0-16: Date: 01/23/93: A0-16's BBS is up and operating normally. [WH6I]

U0-22: Date: 01/23/93: U0-22's BBS is up and operating normally. However, expect its operating system to "crash" as ground controllers at the University of Surrey trouble shoot a software bug. [WH6I]

L0-19: Date: 01/23/93: Expect more traffic to be diverted to L0-19 due to

the software bug "plaguing" UO-22 for the time being. [WH6I]

UO-11: Date: 01/23/93: Look for the telemetry beacon on a downlink frequency of 145.826 MHz. [KD2BD]

KO-23: Date: 01/23/93: The KITSAT BBS is up and has a lot of mail already. There are also a pair of images to download. [WH6I]

F0-20: Date: 01/23/93: Expect F0-20 to be in Mode JA at the following UTC times:

Jan	26	23:30	-->	Jan	27	23:50
Feb	2	23:57	-->	Feb	4	00:16
Feb	10	00:21	-->	Feb	11	00:40
Feb	17	00:45	-->	Feb	17	23:13
Feb	23	00:49	-->	Feb	23	23:18

At all other times, expect F0-20 will be in the Digital Mode (JD). F0-20's analogue telemetry beacon can be heard on a downlink frequency of 435.795 MHz. [JJ1WTK]

STS-55: 01/23/93: The next Shuttle Amateur Radio Experiment (SAREX) mission is scheduled to fly 25-FEB-93. PLEASE LOOK FOR NUMEROUS ANS BULLETINS ITEMS ABOUT STS-55 NEXT WEEK. [KA3HDO]

A0-21: 01/23/93: A0-21 is back in full operation with transponder, voice beacon, music, and 1200 baud packet. Some of the packet is apparently non-ascii data. [W5IU]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work regularly and would like to contribute to this bulletin, please send in your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

Date: Sat, 23 Jan 1993 22:05:58 GMT
From: decctrl!news.crl.dec.com!dbased.nuo.dec.com!nntpd.lkg.dec.com!
nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: ANTENNA HANDBOOK
To: info-hams@ucsd.edu

The best all around one for me has been The ARRL Antenna Book. It describes building all kinds of antennas including HF, VHF, and UHF

antennas. A great buy at \$20.

73,
Todd
N9MWB

Date: 23 Jan 93 11:44:00 GMT
From: csus.edu!netcom.com!netcomsv!pcs!bill.nadzam@decwrl.dec.com
Subject: Antenna Question
To: info-hams@ucsd.edu

MGNewsgroups: rec.radio.amateur.misc
MGFrom: mgustof@hfglobe.intel.com (Mark Gustoff)
MGSubject: Antenna Question
MGMessage-ID: <C19Fow.L54@hfglobe.intel.com>
MGDate: Fri, 22 Jan 1993 14:46:07 GMT

MG

MGSome years ago I cut and article out of one
MGof the Ham magazines on Coaxial Dipole
MGconstruction. I don't remember what magazine,
MGand I don't even know what year, but I wish
MGto build one of these antennas for 28.4 mHz,
MGand I have no idea what dimensions the
MGcoaxial section should be as opposed to the
MGwire ends. The antenna looked something like
MGthis when completed:

MG

MG

MG Wire Coax Coax Wire

MG-----X-----

MG

MGX = Feedpoint with RG-8 Coax.

MG

MGThe part where the wire attached to the coax, the
MGcoax center conductor and braid were shorted together
MGand connected to the wire.

MG

MG

MGAnyway, I could use formulas or actual dimensions
MGgathered from articles on such an antenna. Or maybe
MGthere are users of this antenna whom are familiar
MGwith its construction.

MG

MG

MGI think this antenna might have been called a
MGDouble Bazooka also, but maybe not.

MG
MGAny help appreciated
MG
MG73, W07T Mark
MG

. EZ 1.37 . From A.R.S. K8WN _._. __._

Date: 23 Jan 93 11:44:00 GMT
From: csus.edu!netcom.com!netcomsv!pcs!bill.nadzam@decwrl.dec.com
Subject: Antenna Question
To: info-hams@ucsd.edu

MGSome years ago I cut and article out of one
MGof the Ham magazines on Coaxial Dipole
MGconstruction. I don't remember what magazine,
MGand I don't even know what year, but I wish
MGto build one of these antennas for 28.4 mHz,
MGand I have no idea what dimensions the
MGcoaxial section should be as opposed to the
MGwire ends. The antenna looked something like
MGthis when completed:

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MG Wire Coax Coax Wire
MG-----X-----

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MGThe part where the wire attached to the coax, the
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MGthere are users of this antenna whom are familiar
MGwith its construction.

MG
MGI think this antenna might have been called a
MGDouble Bazooka also, but maybe not.

MG
MGAny help appreciated
MG73, W07T Mark

This antenna is called the Double Bazooka. It is made from

RG-58/u coax not RG-8/u and for best results uses 450 Ohm twin lead at the ends, not just wire, but wire does work. This antenna was described for many years in the ARRL Radio Handbook, but seems to have been dropped. I do know that it is also in the ARRL antenna compendium volume 1. If you need it I would be glad to send you a copy. If you have any older ARRL handbooks around i.e. mid 70's give a look in there too.

. EZ 1.37 . 73 de Bill K8WN_._

Date: Mon, 25 Jan 1993 01:09:00 GMT
From: usc!sdd.hp.com!hp-cv!hp-pcd!hpspkla!dubner@uunet.uu.net
Subject: Cushman CE-6000 Series Comm. Monitor Info Wanted
To: info-hams@ucsd.edu

I recently acquired a fairly new Cushman CE-6000 Series Communications Monitor. It's a nice enough one-box-tester, but Cushman is no longer in business. Can anyone help with a service manual or remote programming (GP-IB) info.

73,
Joe, K7JD

Joe Dubner K7JD | Hewlett Packard Company | dubner@spk.HP.COM
 | TAFC-34 M.S. 2I |
 | Spokane, WA 99220 | (509) 921-3514

Date: 25 Jan 93 09:07:33 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 24 January
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 024, 01/24/93
10.7 FLUX=105 90-AVG=139 SSN=077 BKI=1124 2221 BAI=008
BGND-XRAY=B1.2 FLU1=2.9E+05 FLU10=9.1E+03 PKI=1224 2222 PAI=009
BOU-DEV=005,009,012,050,013,018,019,008 DEV-AVG=016 NT SWF=00:000
XRAY-MAX= B4.0 @ 0518UT XRAY-MIN= B1.1 @ 1359UT XRAY-AVG= B1.3
NEUTN-MAX= +003% @ 1850UT NEUTN-MIN= -002% @ 1715UT NEUTN-AVG= +0.4%
PCA-MAX= +0.0DB @ 2355UT PCA-MIN= -0.4DB @ 0750UT PCA-AVG= -0.0DB

BOUTF-MAX=55418NT @ 2332UT BOUTF-MIN=55381NT @ 1903UT BOUTF-AVG=55407NT
GOES7-MAX=P:+118NT@ 2031UT GOES7-MIN=N:-008NT@ 0919UT G7-AVG=+075,+026,+009
GOES6-MAX=P:+138NT@ 1832UT GOES6-MIN=E:-010NT@ 1903UT G6-AVG=+094,+002,+038
FLUXFCST=STD:105,105,105;SESC:105,105,105 BAI/PAI-FCST=010,015,020/013,020,025
KFCST=0002 3000 1111 3222 27DAY-AP=005,029 27DAY-KP=0011 0123 2032 5555
WARNINGS=
ALERTS=
!!END-DATA!!

Date: 23 Jan 93 23:54:33 GMT
From: ogicse!uwm.edu!spool.mu.edu!agate!usenet.ins.cwru.edu!neoucom.edu!
wtm@network.UCSD.EDU
Subject: Finding PL Tones and McDonald's
To: info-hams@ucsd.edu

The the Ohio area, McDonalds all seem to use 154.570 MHz for output; no CTCSS apparent. I suspect it might be a repeater or 1/2 of a duplex pair becuae I can here both the drive-up and the order-taker when I tune to that. I have a Motorola P-10 that happens to be on 154.570. I've heard McDonalds there as well as a local cement compnay and cleaning crew in a nearby office. McDonalds must use very low power, as I can't hear them more than a block or two from the restaraunts; I copy the cement company workers several miles from my house.

--
Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: Sun, 24 Jan 1993 02:16:26 GMT
From: news.cerf.net!iat.holonet.net!bwilkins@network.UCSD.EDU
Subject: Kenwood tm-732 mod/functions
To: info-hams@ucsd.edu

jra@law7.DaytonOH.NCR.COM (John Ackermann) writes:
: I also just bought a TM-732. My joy at this tiny radio dimmed a whole
: lot when I discovered that along with (and probably because of) the most
: sensitive receiver I've ever seen, it's also the most prone to intermod
: and/or overload.
: Anyone else experience this intermod/overload problem, or cure it?

Yes. I went down to the dealer and found gross imod on the receiver. So I

passed. Here in the sf bay area , we also suffer from pager overload on both 2meters and 440. Most of the better repeaters now transmit pl ctcss on their output so we can decode ctcss in our mobiles. No more pager noise we hear just the repeater. Some radios may need an additional board to make this function work. It is excellent.

These new radios receive from dc to daylight. Thats why they see the whole spectrum..pagers are adjacent to the hambands. I wish that there was a ham radio that was only 10 MHz wide with proper filters...no more intermod.

I saw an icom that had a 20 db pad on the receive. A good idea but the circuit was only implemented when in crossband low power mode...oh well. Why not be able to switch it in at any time. Dont install a pad on the output of your radio as you dont want to transmit through a 20 db attenuator...it must be on the receive side of the radio.

bob n6fri
--

--
Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@holonet.net packet n6fri @ w6pw.#nocal.ca.usa.na

Date: 25 Jan 93 02:03:09 GMT
From: news-mail-gateway@ucsd.edu
Subject: Looking for IFR FM/AM-1200S
To: info-hams@ucsd.edu

Do you know of anyone wanting to sell an IFR FM/AM-1200S, in good condition?
Email (buaas@nosc.mil) or Phone (714/968-0070), leave msg if I'm out!!
There's nothing like having good equipment to maintain repeaters..

Thanks in advance. Bob/K6KGS

Date: 25 Jan 93 17:32:25 GMT
From: news-mail-gateway@ucsd.edu
Subject: Message for Ed Tynan W7HRD
To: info-hams@ucsd.edu

Hi Ed. My mail to you bounced. I'll send the TH-11 info to you if you email your address to me. 73 Mike N6MZ mikemr@microsoft.com

Date: 24 Jan 93 20:53:04 GMT
From: news-mail-gateway@ucsd.edu
Subject: New Ham needs radio.
To: info-hams@ucsd.edu

I just came from RS where they have a close out on their 10m rigs, \$179 and the sales droid said they will take an additional 10% off from now until the end of the month or \$161 for the rig. Not bad though 10m hasn't been to hot lately.
--

Stephen P. Baker	phone: (508) 856-2625
Lecturer in Biostatistics	(508) 856-2440 fax
Department of Academic Computing	(413) 253-3923 home
University of Massachusetts Medical School	e-mail: sbaker@umassmed.bitnet
55 Lake Avenue North	--' '----- --' - ---'--
Worcester, MA 01655	

Date: Sat, 23 Jan 1993 15:28:43 GMT
From: netcomsv!bongo!julian@decwrl.dec.com
Subject: Real hams?
To: info-hams@ucsd.edu

In article <1993Jan22.165416.20092@spectrum.xerox.com> hdavies@rx.xerox.com writes:

>In article 12164@bongo.tele.com, julian@bongo.tele.com (Julian Macassey) writes:
>>Last time I was in the UK - just for 6 hours - I didn't raise
>>anyone.

>
>Next time I'd be happy to arrange a sked.

But where are you? I will be thrashing about the Home Counties and West Country in late Feb. I might take my cheesy Icom.

>BTW, last time I was in LA, the repeaters sounded just as evil as the London
>ones. Some things don't change no matter where you are, huh?

I prefer the London repeaters. They tend to be funnier.

>
>I might get around to the US exam one day, but when the reciprocal license
>is free and grants Extra privileges (OK, not really, but no-one enforces the
>differences), why bother?

Here are a few reasons to bother. 1. The licence is free. 2.

The test is a breeze. 3. It is good for 10 years between renewals. 4. The morons will not think you are a bootlegger because your call does not begin with a W, K, A or N - Yes, this happened to me. A friend, G4JPZ, could never get a QSO on 40 until he became N60ET. 5. You will have an exotic furrin call.

--

Julian Macassey at bongo. julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Date: Mon, 25 Jan 1993 00:47:59 GMT
From: haven.umd.edu!wam.umd.edu!adam@uunet.uu.net
Subject: Real NoCodes
To: info-hams@ucsd.edu

I'm sorry, but FUCK YOU seems to be the only appropriate response.

I've never done any of those things.

I'm a nice person but don't piss me off.

Mr. High and mighty, stay on HF. We appreciate the over here on 2m.

--N3NKI

Date: 23 Jan 93 22:06:09 GMT
From: deccrl!news.crl.dec.com!dbased.nuo.dec.com!nntpd.lkg.dec.com!
nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: Real NoCodes
To: info-hams@ucsd.edu

kd1hz@anomaly.sbs.com (Michael P. Deignan) writes:

>
> bunch of drive1 insulting a portion of the amateur radio community
> deleted for sake of brevity...
>

As he has demonstrated in previous posts and mail message, Mr. Deignan goal in life is to make an ass of himself. Such childish behavior usually indicates a lack of maturity, fear of the group being taunted, or a misguided attempt at getting attention. Or perhaps the only contribution he knows how to make is in the form exemplified by his posting.

Personally I find it both sad and amusing. It's sad because I suspect his attitude is more a reflection of the general fear and hatred that seems to be permeating society in general. It's funny because I always get a kick out of someone making a complete fool of themselves.

Who knows, perhaps due to some stroke of luck his life or well being will be dependent upon the actions of someone from the group he attempts to denigrate. Certainly would be just deserts.

Like the slime that attempt to interfere with repeaters, the best thing to do is ignore him. Without an audience, he'll be deprived of the attention he apparently is so desperately trying to get.

73,
Todd
N9MWB

Date: 23 Jan 93 23:48:35 GMT
From: ogicse!emory!gatech!usenet.ins.cwru.edu!neoucom.edu!wtm@network.UCSD.EDU
Subject: What To Do About Intermod
To: info-hams@ucsd.edu

It depends whether or not the receive trouble is true intermodulation from signal mixing or spurious receive due to receiver overload. In cases of signal overload, a tuned cavity or trap stub line can be used to reduce the passband going into the receiver or null out the offending signal. Consult an antenna design book for ideas.

HTs have wide band receive and easily torn up by spurious receive when operated with high gain antennas. Using a mobile receiver with a non DC-to-light passband and larger, higher Q tank circuits than can be had in micro HTs is strongly recommended for mobile use.

73,
Bill

--
Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: Mon, 25 Jan 1993 03:48:08 GMT
From: cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!feenix.metronet.com!
marcbg@uunet.uu.net
Subject: What To Do About Intermod
To: info-hams@ucsd.edu

In article <C1BAMu.162@ms.uky.edu> johnr@mik.uky.edu (John S. Roberts, Jr.)
writes:

>I have a TH78 and a Diamond 7 something dual band car antenna. It has 3 db
>gain on 2 meters and 5 db gain on 440. I get intermod like crazy! Mostly is
>pager type things, but can be just about anything. What can I do? Is the
>problem that my radio is designed to be used with a less sensitive antenna than
>the diamond, or is there some other reason.

Your biggest problem is that you are using an antenna which is designed
for a mobile rig, not a talkie. The front end of the TH78 is very broad,
and when you try to pack so much into such a small size your asking for
trouble when you increase the signal into the front end. My suggestion?
Get an antenna with less gain, or get a real mobile rig and use the talkie
for its intended purpose - to carry around with you.

Marc Grant
Phone# 214/530-9488
Amateur Call: N5MEI
Internet: marcbg@feenix.metronet.com

Date: 23 Jan 93 23:36:29 GMT
From: ogicse!uwm.edu!spool.mu.edu!agate!usenet.ins.cwru.edu!neoucom.edu!
wtm@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan22.143403.16112@crd.ge.com>,
<1993Jan22.180203.18690@adobe.com>, <1993Jan23.000550.23193@tvnews.tv.tek.com>
Subject : Re: Marge Simpson's sister is a ham!

Don't forget the sitcom ALF. Willie was a radio amateur and that
factored into the plot of many episodes.

--
Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

End of Info-Hams Digest V93 #103
